

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/754,485  
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/754,485

DATE: 10/27/2004

TIME: 12:54:23

Input Set : A:\sequence listing.txt  
 Output Set: N:\CRF4\10272004\J754485.raw

3 <110> APPLICANT: HENDERSON, DANIEL R.  
 5 <120> TITLE OF INVENTION: METHODS OF TREATING LUNG DISEASES  
 7 <130> FILE REFERENCE: 057220/2302  
 9 <140> CURRENT APPLICATION NUMBER: 10/754,485  
 10 <141> CURRENT FILING DATE: 2004-01-09  
 12 <150> PRIOR APPLICATION NUMBER: 60/439,373  
 13 <151> PRIOR FILING DATE: 2003-01-09  
 15 <150> PRIOR APPLICATION NUMBER: 60/480,047  
 16 <151> PRIOR FILING DATE: 2003-06-20  
 18 <150> PRIOR APPLICATION NUMBER: 60/494,841  
 19 <151> PRIOR FILING DATE: 2003-08-12  
 21 <160> NUMBER OF SEQ ID NOS: 54  
 23 <170> SOFTWARE: PatentIn Ver. 3.2  
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 26 <211> LENGTH: 30  
 27 <212> TYPE: DNA  
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 30 <220> FEATURE:  
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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 34 caccatgtac aggatcaac tgctgtcttg 30  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 51  
 39 <212> TYPE: DNA  
 40 <213> ORGANISM: Artificial Sequence  
 42 <220> FEATURE:  
 43 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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 50 <211> LENGTH: 794  
 51 <212> TYPE: DNA  
 52 <213> ORGANISM: Homo sapiens  
 54 <400> SEQUENCE: 3  
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 56 actccctgtct tgcattgcac taagtcttc actgtcaca aacagtgcac ctacttcaag 120  
 57 ttctacaaag aaaacacagc tacaactgga gcatttactg ctggattttac agatgatttt 180  
 58 gaatggaaatt aataattaca agaatccaa actcaccagg atgctcacat ttaagttta 240  
 59 catgccccaaag aaggccacag aactgaaaca tcttcaggat ctagaagaag aactcaaacc 300  
 60 tctggaggaa gtgctaaatt tagctcaaag caaaaacttt cacttaagac ccagggactt 360  
 61 aatcagcaat atcaacgtaa tagttctgga actaaaggaa tctgaaacaa cattcatgtg 420  
 62 tgaatatgct gatgagacag caaccattgt agaattctg aacagatgga ttacctttt 480  
 63 tcaaaggatc atctcaacac taacttgata attaagtgtc tcccacttaa aacatatcag 540

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64 gccttctatt tatttaaata tttaaattt atatttattt ttgaatgtat ggtttgctac 600  
 65 ctatgtaac tattattctt aatctaaaaa ctataaatat ggatctttt tgattcttt 660  
 66 tgtaageccct aggggctcta aaatggtttc acttatttat cccaaaatat ttattattat 720  
 67 gttgaatgtt aaatata>tagta tctatgtaga ttggtagta aaactattta ataaatttga 780  
 68 taaaataaaa aaaa , 794  
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 72 <211> LENGTH: 462  
 73 <212> TYPE: DNA  
 74 <213> ORGANISM: Homo sapiens  
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 78 gcacctactt caagttctac aaagaaaaca cagctacaac tggagcattt actgctggat 120  
 79 ttacagatga ttttgaatgg aattaataat tacaagaatc ccaaactcac caggatgctc 180  
 80 acatthaagt tttacatgcc caagaaggcc acagaactga aacatctca gtgtctagaa 240  
 81 gaagaactca aacctctgga ggaagtgcta aatttagctc aaagcaaaaa ctttcactta 300  
 82 agacccaggg acttaatcg caatatcaac gtaatagttc tggaaactaaa gggatctgaa 360  
 83 acaacattca tgtgtgaata tgctgatgag acagcaacca ttgtagaatt tctgaacaga 420  
 84 tggattaccc tttgtcaag catcatctca acactaactt ga 462  
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 88 <211> LENGTH: 13  
 89 <212> TYPE: PRT  
 90 <213> ORGANISM: Artificial Sequence  
 92 <220> FEATURE:  
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 96 Gly Ser Thr Ser Gly Ser Gly Lys Ser Ser Glu Gly Lys  
 97 1 5 10  
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 105 <220> FEATURE:  
 106 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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 113 <211> LENGTH: 24  
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 115 <213> ORGANISM: Artificial Sequence  
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 125 <211> LENGTH: 59  
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 129 <220> FEATURE:  
 130 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

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138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
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144 <400> SEQUENCE: 9
145 ctcgagttat taagttatgt ttgagatgtat gctttgac 38
148 <210> SEQ ID NO: 10
149 <211> LENGTH: 14
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
156 <400> SEQUENCE: 10
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158 1 5 10
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 31
163 <212> TYPE: DNA
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167 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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173 <210> SEQ ID NO: 12
174 <211> LENGTH: 34
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176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
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182 cgatgcttagc agttatgttt gagatgtatgc tttg 34
185 <210> SEQ ID NO: 13
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187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
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199 <212> TYPE: DNA
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202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

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Input Set : A:\sequence listing.txt

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 212 <213> ORGANISM: Homo sapiens  
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 216 tctgtgggct gtgatctgcc tcaaaccac agcctggta gcaggaggac cttgatgctc 120  
 217 ctggcacaga tgaggagaat ctctctttc tcctgcttga aggacagaca tgactttgga 180  
 218 tttccccagg aggagttgg caaccaggccc caaaaggctg aaaccatccc tgtccatccat 240  
 219 gagatgatec agcagatctt caatctttc agcacaaaagg actcatctgc tgcttggat 300  
 220 gagaccctcc tagacaaaatt ctacactgaa ctctaccaggc agctgaatgaa cctgaaagcc 360  
 221 tgtgtgatac aggggggtggg ggtgacagag actcccttga tgaaggagggc ctccattctg 420  
 222 gctgtgagga aatacttcca aagaatcact ctctatctgaa aagagaagaa atacagccct 480  
 223 tgtgcctggg aggttgtcag agcagaaaatc atgagatctt tttcttgc aacaaacttg 540  
 224 caagaaagtt taagaagtaa ggaataa 567  
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 229 <212> TYPE: DNA  
 230 <213> ORGANISM: Artificial Sequence  
 232 <220> FEATURE:  
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 235 <400> SEQUENCE: 16  
 236 accgtcccttag gtgggtggcg agggtcatgt gatctgcctc aaaccacag cct 53  
 239 <210> SEQ ID NO: 17  
 240 <211> LENGTH: 55  
 241 <212> TYPE: DNA  
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 244 <220> FEATURE:  
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 248 tcctcgaggt cgacgcgtac ttattattcc ttacttctta aactttcttg caagt 55  
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 253 <212> TYPE: DNA  
 254 <213> ORGANISM: Artificial Sequence  
 256 <220> FEATURE:  
 257 <223> OTHER INFORMATION: Description of Artificial Sequence: sFv-alpha-IFN  
 258 chimera nucleotide sequence  
 260 <400> SEQUENCE: 18  
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 262 atggcccgagg tacagctgca gcaatcaggg ggaggcgtgg tccagcctgg gaggtccctg 120  
 263 agactctcct gtgcagccctc tggattcacc ttcaatgtact atgctatgca ctgggtccgc 180  
 264 caggctccag ggaaggggct ggagtggttc tcagcttta gtggtagtgg tggtagcaca 240  
 265 tactacgcag actccgtgaa gggccgggttc accatctcca gagacaacgc caagaactca 300  
 266 ctgtatctgc aaatgaacag cctgagagcc gaggacacgg ctgtgttatta ctgtgcgaga 360  
 267 gatacccgag ggtacttcga tctctggggc cgtggcaccc tggtcaccgt ctccctcagg 420  
 268 ggcggagggt catctgagct gactcaggac cctgctatgt ctgtggcctt gggacagaca 480

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269 gtcagaatca catgtcaagg ggacagtctc agaaaagtatc atgcaagctg gtatcagcag 540  
 270 aagccaggc aggccccgt tcttgcatac tatggtaaga atgaacgtcc ctcagggatc 600  
 271 ccagagcgat tctctgggtc cacctcagga gacacagctt cttgaccat cagtgggctc 660  
 272 caggcggaaag atgaggctga ctattactgt cactcccggag actctaattgc tgatcttg 720  
 273 gtgttcggcg gagggaccaa ggtcaccgtc ctaggtggtg gcggagggtc atgtgatctg 780  
 274 cctcaaacc acagcctggg tagcaggagg accttgatgc tcctggcaca gatgaggaga 840  
 275 atctctcttt tctctgtttt gaaggacaga catgactttg gatttccccca ggaggagttt 900  
 276 ggcaccagt tccaaaaggc tgaaaccatc cctgtcctcc atgagatgtt ccagcagatc 960  
 277 ttcaatctct tcagcacaaa ggactcatct gctgcttggg atgagaccct cctagacaaa 1020  
 278 ttctacactg aactctacca gcagctgaat gaccttggaa cctgtgtgtat acaggggggtg 1080  
 279 ggggtgacag agactcccctt gatgaaggag gactccattc tggctgtgag gaaatacttc 1140  
 280 caaagaatca ctctcttatct gaaagagaag aaatacagcc cttgtgcctg ggaggttg 1200  
 281 agagcagaaaa tcatgagatc tttttctttt tcaacaaact tgcaagaaag tttaagaagt 1260  
 282 aaggaataa 1269  
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 286 <211> LENGTH: 41  
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 291 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
 293 <400> SEQUENCE: 19  
 294 cctcgagata tcgccaccat gaccaacaag tgtctcctcc a 41  
 297 <210> SEQ ID NO: 20  
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 299 <212> TYPE: DNA  
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 317 ctccctgtggc aattgaatgg gaggcttggaa tactgcctca aggacaggat gaactttgac 180  
 318 atccctgagg agattaagca gctgcagcag ttccagaagg aggacgcccgc attgaccatc 240  
 319 tatgagatgc tccagaacat cttgtctatt ttcagacaag attcatctag cactggctgg 300  
 320 aatgagacta ttgttgagaa cctcctggct aatgtctatc atcagataaa ccatctgaag 360  
 321 acagtccctgg aagaaaaact ggagaaaagaa gatttcacca gggaaaaact catgagcagt 420  
 322 ctgcacctga aaagatatta tggaggattt ctgcattacc tgaaggccaa ggagtacagt 480  
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 328 <211> LENGTH: 54  
 329 <212> TYPE: DNA  
 330 <213> ORGANISM: Artificial Sequence

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/754,485

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